

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

In re application of:

DANIEL P. CRAM

Serial No.:

ART UNIT:

Division of Serial No. 10/236,276  
filed on 09/06/2002

EXAMINER:

Filing Date: 01/09/2004

Title: TEST SYSTEM, TEST CONTACTOR AND TEST  
METHOD FOR ELECTRONIC MODULES

Attorney Docket No.: 00-0555.2

---

**INFORMATION DISCLOSURE STATEMENT**  
**January 9, 2004**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following sections are being submitted for this Information  
Disclosure Statement:

1.      x         Preliminary Statements
2.      x         FORM PTO SB/08
3.                 Statement As to Information Material to  
                         Examination Not Found in Patents or Publications.
4.      x         Identification of Prior Application in Which Listed  
                         Information Was Already Cited and For Which No Copies  
                         are Submitted Or Need be Submitted.
5.                 Cumulative Patents or Publications.
6.                 Copies of Listed Information Items Accompanying  
                         This Statement.
7.                 Concise Explanation of Non-English Language  
                         Listed Information Items.

8. \_\_\_\_\_ Translation(s) of Non-English Language Documents.
9.   x   Identification of Person(s) Making This Information Disclosure Statement.

### Section 1. Preliminary Statements

Applicants submit herewith patents, publications or other information of which they are aware which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. 1.56 (g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

### Section 2. Identification of Person(s) Making This INFORMATION DISCLOSURE STATEMENT

The person making this statement is

(a) \_\_\_\_\_ the inventor(s) who signs below

\_\_\_\_\_  
SIGNATURE OF INVENTOR

\_\_\_\_\_  
Name of Inventor

(b)   x   the attorney who signs below on the basis of:

\_\_\_\_\_ the information supplied by the inventor(s)

\_\_\_\_\_ an individual associated with the filing and prosecution of this application (37 CFR 1.56(c))

  x   the information in the attorney's file.


**Section 3. Identification of Prior Application In Which Listed Information Was Already Cited and For Which No Copies are Submitted or Needed Be Submitted.**

This application relies, under 35 U.S.C. 120, on the earlier filing date of application serial no. 10/236,276 filed on September 6, 2002, which is a division of serial no. 09/650,161 filed on August 28, 2000, Patent No. 6,483,329 B1.

The attached list of references were submitted to and/or cited by the Office in these prior applications and, therefore, are not required to be provided in this application.

DATED this 9th day of January, 2004.

Respectfully submitted:

  
Stephen A. Gratton  
Registration No. 28,418  
Attorney for Applicants

2764 South Braun Way  
Lakewood, CO 80228  
Telephone: (303) 989 6353  
FAX: (303) 989 6538

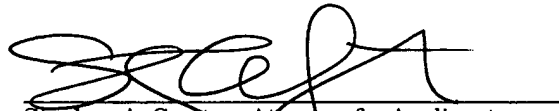
**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

**"Express Mail" Mailing Label Number ER 456 652 247 US**

**Date of Deposit: January 9, 2004**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop Patent Application, Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450.

January 9, 2004  
Date of Signature

  
Stephen A. Gratton, Attorney for Applicants

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

***(Use as many sheets as necessary)***

**Complete if Known**

Application Number	
Filing Date	01/09/2004
First Named Inventor	DANIEL P. CRAM
Art Unit	
Examiner Name	
Attorney Docket Number	00-0555.2

Sheet	1	of	2
-------	---	----	---

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A	US- 434,151	08/12/1890	Lange et al.	
	B	US- 500,918	07/04/1893	Linton	
	C	US- 3,274,534	09/20/1966	Shortridge	
	D	US- 4,068,170	01/10/1978	Chayka et al.	
	E	US- 4,355,856	10/26/1982	Porter	
	F	US- 4,574,235	03/04/1986	Kelly et al.	
	G	US- 4,591,219	05/27/1986	Reimer	
	H	US- 5,208,529	05/04/1993	Tsurishima et al.	
	I	US- 5,227,717	07/13/1993	Tsurishima et al.	
	J	US- 5,360,348	11/01/1994	Johnson	
	K	US- 5,415,560	05/16/1995	Balyasny	
	L	US- 5,625,297	04/29/1997	Arnaudov et al.	
	M	US- 5,667,077	09/16/1997	Goins et al.	
	N	US- 5,754,057	05/19/1998	Hama et al.	
	O	US- 5,818,219	10/06/1998	Hama et al.	
	P	US- 5,823,823	10/20/1998	Longueville et al.	
	Q	US- 5,865,319	02/02/1999	Okuda et al.	
	R	US- 5,965,205	09/21/1999	Smith	
	S	US- 5,973,394	10/26/1999	Slocum et al.	

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	
		Filing Date	01/09/2004
		First Named Inventor	DANIEL P. CRAM
		Art Unit	
Examiner Name		Attorney Docket Number	00-0555.2
Sheet	2	of	2

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	T	US- 5,990,693	11/23/1999	Hayes	
	U	US- 6,045,370	04/04/2000	Treibergs et al.	
	V	US- 6,060,893	05/09/2000	Farnworth et al.	
	W	US- 6,064,218	05/16/2000	Godfrey et al.	
	X	US- 6,091,062	07/18/2000	Pfahnl et al.	
	Y	US- 6,097,201	08/01/2000	Slocum	
	Z	US- 6,133,745	10/17/2000	Yoon et al.	
	AA	US- 6,447,317 B1	09/10/2002	Billman	
	AB	US- 6,462,568 B1	10/08/2002	Cram	
	AC	US- 6,483,329 B1	11/19/2002	Cram	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.